

KARTIKEYA ACHARYA

work.acharya@gmail.com | +91 7014411624 | github.com/kartikeya443/

Education

The LNM Institute of Information Technology (Jaipur, India)

2021 - 2025

- B. Tech in *Electronics and Communication Engineering*

(expected)

Lord Buddha Public School (Kota, India)

2020 - 2021

- CBSE (Class XII), Aggregate: 83.20

M.S.S. Public School (Kishangarh, India)

2018 - 2019

- CBSE (Class X), Aggregate: 94.00

Skills

Python | C++ | Machine Learning | Computer Vision | NLP | MySQL | Git | Docker | Linux | Matlab | LaTeX | HTML | JavaScript | CSS

Relevant Coursework

Data Structures & Algorithms | Machine Learning & Deep Learning (Andrew Ng) | Computer Networking | VLSI | Semiconductors | Digital Signal Processing | Digital Communications | Microprocessors & Interfacing |

Work Experience

Electronics Laboratory, LNMIIT | Teaching Assistant

Oct'22 - Feb'23

Worked under prominent faculties, professors, and lab superintendents and contributed to teaching and assisting the junior batches in their lab work, and simulation of electronic circuit designs and their functioning on DSO/CRO, also digitally simulating them using multi-simulation software.

Projects

Voice Controlled Virtual Assistant

Feb'24

An AI assistant executing tasks given through speech and responds in speech also has system control, and task management abilities. Trained using T4 GPU via numerous epochs and data of over 75k queries, it is quick and responsive in solving a variety of queries and handling general tasks (majorly related to chrome browser).

- Key Skills: TensorFlow, NumPy, PyTorch, Selenium, BS4, OCR, LLM, NLP, Voice Recognition
- Repository: github.com/kartikeya443/jarvis_automation

Hand Gesture & Sign Language Detector

Jan'24

A Computer Vision based model trained on data sets of over 300 inputs for a particular gesture is able to detect and identify human hands gestures effortlessly and is able to track the coordinates for further modifications in its usage for controlling devices like mouse and windows (control features are in development).

- Key Skills: OpenCV, Media Pipe, TensorFlow, NumPy, Computer Vision, Deep Learning
- Repository: github.com/kartikeya443/handgesture_detection_opencv

Portfolio Website

Oct'23

A static landing page allowing us to know more about me and what I've learnt so far. Built using VanillaJS, it is responsive and graphical.

- Key Skills: HTML, JavaScript, CSS
- Website: portfolio-kartikeya.vercel.app/
- Repository: github.com/kartikeya443/portfolio_kartikeya

Positions of Responsibility

Capriccio – Music Club of LNMIIT | Coordinator

Mar'23 - Present

- Managed a society/club of 85+ members which includes musicians, songwriters, and a variety of skilled people.
- Managed events, competitions, and finances of the club across all disciplines, and involvement of club in different colleges/universities.

Cultural Council of LNMIIT | Senator

May'22 – Apr'23

- Followed all senatorial duties for the cultural council which involved different aspects of managing events, permissions, funds, and activities.
- Also was a part of the Vivacity Organizing Committee, which successfully organizes the second largest cultural fest of Rajasthan.